

Abstract

A system for air ionization utilizing a particle sensor to control ionization such that ionization is increased when the particle sensor detects undesirable levels of particulates. Particle sensors utilized in accordance with the present invention also can be effectively utilized in conjunction with other sensors, such as an oxidizable gas sensors or an ozone sensors. In this manner, ionization can be sensor-controlled in that when the aggregate amount of whatever contaminants are detected by the sensors reaches an undesirable level, ionization is increased. Conversely, when the aggregate amount of contaminants detected by the sensors is low, ionization is decreased.

10